

SJDI
LOCAL STANDARD ITEM

FY-2005
ITEM NO: 099-03JI
DATE: 18 NOV 2002
CATEGORY: I

1. SCOPE:

1.1 Title: Glass Reinforced Plastic (GRP) Repair and Fabrication Procedures;
accomplish

1.2 Location of Work:

1.2.1 Throughout Ship

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 Standard Items

2.2 S9100-AF-SRM-010/MHC51 CLASS, MHC51 Class Guidance for GRP Repairs and
Alterations

2.3 100-6328121 Rev E, Mechanical Attachments To GRP

2.4 624-7345761, Weather BERP Sealing Details

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-09 of 2.1 for the following GRP
related work required by this specification package using 2.2 through 2.4 for
guidance:

3.1.1 Repairs to existing GRP structures/members.

3.1.2 Build-ups/laminations of existing GRP structures/members.

3.1.3 Fabrication/lamination of new GRP structures/members.

3.1.4 Mechanical Attachments to GRP structures/members in accordance
with 2.3.

3.1.5 Sealing of any Exterior/Weather Deck BERP (Bolted Equipment
Removal Plate) that is removed and reinstalled during accomplishment of work

required by this Work Specification Package.

3.2 The procedure required by 3.1 shall:

3.2.1 Include materials required by drawings referenced in work specifications.

3.2.2 Include safety precautions for working with GRP materials.

3.2.3 Include clean-up and environmental concerns.

3.2.4 Include techniques/step-by-step procedures/shop practices to accomplish work listed in 3.1.1 through 3.1.4.

3.2.5 Require the use of grinders/sanders which utilize vacuum hose dust collection to accomplish requirements in 3.1.1 through 3.1.4.

3.2.6 Incorporate the requirements of 2.2 for accomplishing GRP inspections and repairs.

3.2.6.1 Accomplish the requirements of 009-09 of 2.1 for Ultrasonic (UT) or a Thermography (TR) survey test of the damaged GRP areas when invoked by the Work Item, in accordance with 2.2.

3.2.7 Require that any Exterior/Weather Deck BERP that has been removed and reinstalled to accomplish work required by this Work Specification Package be installed in accordance with 2.4 with the following exceptions.

3.2.7.1 The existing allen head fasteners securing each Exterior/Weather Deck BERP shall be filled with a non-adhering filler material that can be easily removed should the fasteners require future removal. Examples of non-adhering filler material are: silicone sealer, and talc and resin mixture.

3.2.7.2 Accomplish the requirements of 009-32 of 2.1 for new and disturbed surfaces associated with this Work Item to match surrounding areas.

4. NOTES:

4.1 Work in this item interfaces with Work Item(s): Any Work Item accomplished during the ship's availability which requires GRP repairs and/or fabrication.